Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-6. (Cancelled)

7. (Currently Amended) A method for allowing a client application ~~(16)~~ to establish, in a client network ~~(10)~~, a first connection having a first security level, ~~directly~~ with a first port ~~(1)~~ of a server application ~~(17)~~ hosted in a server machine ~~(13)~~ linked to a server network ~~(11)~~, in order to send messages ~~(30)~~ addressed to the server machine ~~(13)~~, said messages ~~(30)~~ passing from the client network ~~(10)~~ to the server network ~~(11)~~ through a network layer (CR) of a gateway machine ~~(9), characterized in that it comprises~~comprising:

[[-]]creating a second port ~~(3)~~ in the gateway machine ~~(9)~~;

[[-]]ordering the network layer (CR) of the gateway machine ~~(9)~~ to reroute to the second port ~~(3)~~ of the gateway machine any message sent to the first port ~~(1)~~ of the server application, addressed to the server machine ~~(13)~~;

[[-]]listening to the second port ~~(3)~~ of the gateway machine to detect a request to establish said first connection with the first port of the server application and;

[[-]]generating, in the gateway machine ~~(9)~~, a thread for establishing said first connection when a request to establish said first connection is detected in the second port ~~(3)~~ of the gateway machine.

8. (Currently Amended) A method according to claim 7, further comprising:

[[-]]defining a third port ~~(2)~~ of the server application ~~(17)~~ for receiving at least one of the messages ~~(30)~~ with a second security level; and whereas said thread comprises;

[[-]]establishing said first connection in a first phase with a first security level in a first interface associated with the second port ~~(3)~~ and with said request;

[[-]]establishing in a second phase a second connection with a second level of security in a second interface to the third port ~~(2)~~ in the server machine ~~(13)~~;

[[-]]writing with the second security level in the second interface any message read in the first interface with the first security level in a third phase, and;

[[-]]writing with the first security level in the first interface any message read in the second interface with the second security level in a fourth phase.

9. (Currently Amended) A method according to claim 8, ~~characterized in that it comprises~~ further comprising:

[[-]]ordering the network layer (CR) of the gateway machine ~~(9)~~ to delete any message sent to the third port ~~(2)~~.

10. (Currently Amended) A method according to claim 7, ~~characterized in that~~ wherein the steps of creating and ordering are executed automatically by a first process of the gateway machine ~~(9)~~ and in that said first process generates a second process that executes the third and the fourth step.

11. (Currently Amended) A method according to claim 8, ~~characterized in that~~ wherein the steps of creating and ordering are executed automatically by a first process of

the gateway machine ~~(9)~~ and in that said first process generates a second process that executes the third and the fourth step.

12. (Currently Amended) A method according to claim 10, further comprising automatically executing the steps of creating, rerouting and deleting by a first process of the gateway machine ~~(9)~~ and generating by said first process a second process that executes the steps of listening and generating a thread.

13. (Currently Amended) A method according to claim 11, further comprising automatically executing the steps of creating, rerouting and deleting by a first process of the gateway machine ~~(9)~~ and generating by said first process a second process that executes the steps of listening and generating a thread.

14. (Currently Amended) A method for allowing a client application ~~(16)~~ to establish in a client network ~~(10)~~ a first connection having a first security level, ~~directly~~ with a first port ~~(1)~~ of a server application ~~(17)~~ hosted in a server machine ~~(13)~~ linked to a server network ~~(11)~~, in order to send messages ~~(30)~~ addressed to the server machine ~~(13)~~, said messages ~~(30)~~ passing from the client network ~~(10)~~ to the server network ~~(11)~~ through a network layer (CR) of a gateway machine ~~(9)~~, characterized in that it consists of activating, in the gateway machine, a secure application proxy that reroutes the messages from the first connection, in a way that is transparent for the client application, in order to establish a second connection having a second security level with the server application, said second connection being unknown to said client application.